

## Abstract

## Circuit Arrangement For A Mobile Telephone

5           The invention relates to a circuit arrangement for a mobile telephone having a transmission branch (11), comprising a first signal line (21) for a first frequency band (fB1) and at least one other signal line (22) for at least one other frequency band (fB2). An antenna (4) is connected to a switch (5) for optional contact of the antenna (4) to one of the signal lines (21, 22). An amplifier (61, 62) is connected in series with each signal line  
10       (21, 22), and a band-pass filter (71, 72) for the respective frequency range (fB1, fB2) is connected in series with each signal line (21, 22) between each amplifier (61, 62) and the switch (5). As a result of the full band being split into two half-band, a band-pass filter being provided for each half-band, a split band duplexer with low insertion attenuation can be achieved.

15  
Figure 1